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## (54) COMPACT INFORMATION PROCESSOR FOR MULTI-MEDIA

(57)Abstract:

**PROBLEM TO BE SOLVED:** To switch a multi-media personal computer(PC) to a CD player function just after turning on its power supply without delay by preparing a mode of operating a compact information processor including a non-volatile memory storing self-diagnosis and initializing processing to be executed immediately after turning on the power supply by a main power supply switch as a music reproducing device.

**SOLUTION:** A mode switch 20 for starting the personal computer(PC) only as a CD player is prepared independently of a power supply switch 12 originally included in the PC. Whether the switch 20 is in an ON state or not is judged at the head of a POST 52, and when the switch 20 is OFF, the PC is functioned as the PC itself. When the switch 20 is ON, the PC is functioned as a CD player and only an IDE controller 7 connected to a CD-ROM drive 9, a bus bridge 4 connected to the controller 7 and an interruption controller 19 for sending an interruption signal 17 from the controller 7 to a processor 1 are diagnosed and initialized. Thereby the PC can be functioned as the CD player.

